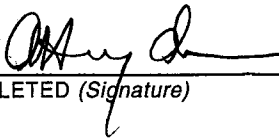

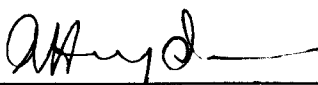
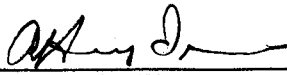




ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1					1. DATE (YYMMDD) 20011217		Form Approved OMB No. 0704-0188	
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							3. DODAAC	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.								
4. ORIGINATOR			b. ADDRESS (Street, City, State, Zip Code)			5. CLASS OF ECP		
a. TYPED NAME (First, Middle Initial, Last) ARDEC-TACOM			PICATINNY ARSENAL, NJ 07806-5000 AMSTA-AR-FSA-T			I		
8. ECP DESIGNATION			6. JUST. CODE D			7. PRIORITY R		
a. MODEL/TYPE M198			b. CAGE CODE 19200			c. SYSTEM DESIGNATION HOWITZER		
9. BASELINE AFFECTED			10. OTHER SYS./CONFIG. ITEMS AFFECTED					
<input type="checkbox"/> FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
<input type="checkbox"/> ALLOCATED								
d. ECP NO. L1A2095			e. TYPE F		f. REV			
11. SPECIFICATIONS AFFECTED					12. DRAWINGS AFFECTED			
	CAGE CODE	Specification/Document No.	Rev.	SCN	CAGE CODE	Number	Rev.	NOR
a. SYSTEM					19200	SEE INCLOSURE LIST		
b. DEVELOPMENT								
c. PRODUCT								
13. TITLE OF CHANGE ALL ALTERNATE MATERIALS								
14. CONTRACT NO. AND LINE ITEM					15. PROCURING CONTRACTING OFFICER			
					a. NAME (First, Middle Initial, Last) NA			
					b. CODE NA		c. TELEPHONE NO. NA	
16. CONFIGURATION ITEM NOMENCLATURE HOWITZER, TOWED, M198 - HIPE PROGRAM							17. IN PRODUCTION	
							NA	YES
							NA	NO
18. ALL LOWER LEVEL ITEMS AFFECTED								
a. NOMENCLATURE KIT, DWG, HOWITZER IMPROVEMENT POWER INHANCEMENT (HIPE)					b. PART NO. 12993001		c. NSN	
19. DESCRIPTION OF CHANGE ADD ALTERNATE MATERIALS FOR WIRE AND CAPACITORS.								
20. NEED FOR CHANGE ALTERNATE ITEMS ARE REQUIRED FOR PROVISIONING AND PRODUCTION.								
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER NA					22. EFFECT ON PRODUCTION DELIVERY SCHEDULE NA			
23. RETROFIT								
a. RECOMMENDED ITEM EFFECTIVITY NA					b. SHIP / VEHICLE CLASS AFFECTED NA			
c. ESTIMATED KIT DELIVERY SCHEDULE NA					d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED NA			
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT NA					25. ESTIMATED NET TOTAL COSTS / SAVINGS SEE PAGE 4			
26. SUBMITTING ACTIVITY					b. TITLE			
a. AUTHORIZED SIGNATURE					CONFIGURATION COORDINATOR			
27. APPROVAL / DISAPPROVAL								
a. CLASS I			b. CLASS II			c. CLASS II		
<input type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED			<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			<input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE		
d. GOVERNMENT ACTIVITY AMSTA-AR-FSA-T					e. SIGNATURE + Roger J. ...		f. DATE SIGNED (YYMMDD) 01/2/98	
g. APPROVAL <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED					h. GOVERNMENT ACTIVITY TACOM-ARDEC, AMSTA-AR-FSA		i. SIGNATURE ARTURO J. ...	
					j. DATE SIGNED (YYMMDD) 2002 0129			


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4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT CIRCUIT BOARD ASSEMBLY, SPEAKER BOX		10. REVISION LETTER		6. NOR NO. 1	
		a. CURRENT -		b. NEW A	
11. ECP NO. L1A2095					
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES					
HOWITZER, TOWED, 155mm, M198					
13. DESCRIPTION OF REVISION					
<p>CHANGE IN TABLE: FROM "M39014/05-2656" TO "M39014/05-2255"</p> <p>FROM "M39003/03-0167" TO "M39003/03-4066"</p> <p>FROM "M39014/05-2692" TO "M39014/05-2291"</p> <p>FROM "AA59591-S221T" TO "AA59551-S22S1T"</p>					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
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<input type="checkbox"/>		(2) Revised document must be received before manufacturer may incorporate this change.			
<input type="checkbox"/>		(3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT				c. TYPED NAME (First, Middle Initial, Last)	
TACOM-ARDEC, AMSTA-AR-FSA-R					
d. TITLE		e. SIGNATURE		f. DATE SIGNED (YYMMDD)	
ARTHUR J. HENDERMAN Chief, FSAO Prod & Log Eng Spt Team				2002 01 29	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)	
					

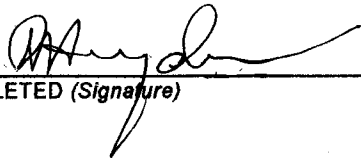
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4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC	b. ADDRESS (Street, City, State, Zip Code) PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)	5. CAGE CODE 19200 7. CAGE CODE 19200	6. NOR NO. 2 8. DOCUMENT NO. 12993040
9. TITLE OF DOCUMENT JUMPER CABLE, RADIO BOX	10. REVISION LETTER a. CURRENT - b. NEW A		11. ECP NO. L1A2095
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198			
13. DESCRIPTION OF REVISION <u>DRAWING SHEET 1 OF 2</u> UPDATE "REVISION STATUS OF SHEETS" <u>DRAWING SHEET 2</u> CHANGE CALLOUTS (4 Places): FROM " 5 " TO " 5 19 " ADD NOTE: " 19 ALTERNATE WIRE: MS22759/9-22-0, PER SAE AS22759/9"			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	<input checked="checked" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.		
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Picg & Eng Spt Team	e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20020129
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T	b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)

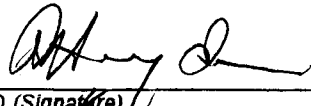
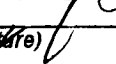
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9. TITLE OF DOCUMENT CHARGER BOARD ASSEMBLY		10. REVISION LETTER a. CURRENT - b. NEW A	
11. ECP NO. L1A2095			
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198			
13. DESCRIPTION OF REVISION <u>DRAWING SHEET 1 OF 2</u> CHANGE: "CAPACITORS "C1"- "C4" 4X M39014/05-2656 (.01 uF)" TO "CAPACITORS "C1"- "C4" 4X M39014/05-2255 (.01 uF)" UPDATE "REVISION STATUS OF SHEETS" <u>DRAWING SHEET 2</u> CHANGE IN 4 PLACES: FROM "M39014/05-2656" TO "M39014/05-2255"			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one) <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 	
f. DATE SIGNED (YYMMDD) 20020129			
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature)	
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9. TITLE OF DOCUMENT CHARGER BOARD ASSEMBLY		10. REVISION LETTER a. CURRENT -		b. NEW A							
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198				6. NOR NO. 5 8. DOCUMENT NO. 12993118							
13. DESCRIPTION OF REVISION CHANGE CALLOUT: FROM "4X WIRE (20 AWG)" TO "4X WIRE (20AWG)" <div style="text-align: center;"> 2 2 11 </div> ADD NOTE: * 11 ALTERNATE WIRE: M22759/9-20-2, M22759/9-20-9, M22759/9-20-0, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."											
14. THIS SECTION FOR GOVERNMENT USE ONLY											
a. (X one)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">X</td> <td>(1) Existing document supplemented by this NOR may be used in manufacture.</td> </tr> <tr> <td style="width: 50px; text-align: center;"></td> <td>(2) Revised document must be received before manufacturer may incorporate this change.</td> </tr> <tr> <td style="width: 50px; text-align: center;"></td> <td>(3) Custodian of master document shall make above revision and furnish revised document.</td> </tr> </table>				X	(1) Existing document supplemented by this NOR may be used in manufacture.		(2) Revised document must be received before manufacturer may incorporate this change.		(3) Custodian of master document shall make above revision and furnish revised document.
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d. TITLE ARTHUR J. NEYEDMAN Chief, FSAC Prod & Ldg Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 01 29							
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)							

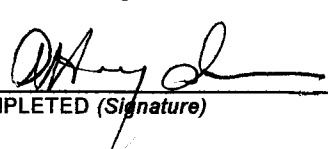
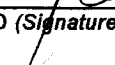
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				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT BATTERY HARNESS			10. REVISION LETTER		6. NOR NO. 6
			a. CURRENT -		8. DOCUMENT NO. 12993119
			b. NEW A		11. ECP NO. L1A2095 1
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198					
13. DESCRIPTION OF REVISION CHANGE NOTE: FROM "2 WIRE: M16878/5BMG2 (RED), PER MIL-DTL-16878." TO "2 WIRE: M16878/5BMG2 (RED), PER MIL-DTL-16878 OR WIRE: M22759/9-10-2, PER SAE AS22759/9."					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
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b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R			c. TYPED NAME (First, Middle Initial, Last)		
d. TITLE ARTHUR J. HEYDEMAN Chief, FSAC Prod & Log Eng Spt Team			e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 01 29
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T			b. REVISION COMPLETED (Signature) 		c. DATE SIGNED (YYMMDD)

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9. TITLE OF DOCUMENT LED HARNESS				10. REVISION LETTER							
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12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198											
13. DESCRIPTION OF REVISION											
<p>CHANGE CALLOUT: FROM " 4X WIRE (20AWG) 2 "</p> <p style="padding-left: 150px;">TO " 4X WIRE (20AWG) 2 9 "</p> <p>ADD NOTE:</p> <p>9 ALTERNATE WIRE: M22759/9-20-2, M22759/9-20-5, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."</p>											
14. THIS SECTION FOR GOVERNMENT USE ONLY											
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d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 0129							
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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.				3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY,TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT CONNECTOR HARNESS		10. REVISION LETTER		6. NOR NO. 8	
		a. CURRENT - b. NEW A		8. DOCUMENT NO. 12993121	
				11. ECP NO. L1A2095	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED,155mm, M198					
13. DESCRIPTION OF REVISION CHANGE CALLOUT: FROM "5X WIRE (16 AWG) (2) " TO "5X WIRE (16 AWG) (2) (9) " ADD NOTE: "(9) ALTERNATE WIRE: M22759/9-16-2,M22759/9-16-0,M22759/9-16-9, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
a. (X one)		<input checked="checked" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-T			c. TYPED NAME (First, Middle Initial, Last)		
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 0129	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)	

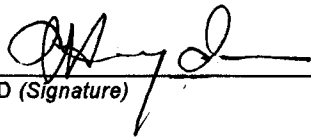

NOTICE OF REVISION (NOR)		1. DATE (YYMMDD) 20011217		Form Approved OMB No. 0704-0188	
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4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT BUTTON HARNESS		10. REVISION LETTER		6. NOR NO. 9	
		a. CURRENT -		b. NEW A	
				8. DOCUMENT NO. 12993122	
				11. ECP NO. L1A2095	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES					
HOWITZER, TOWED, 155mm, M198					
13. DESCRIPTION OF REVISION					
DRAWING SHEET 1 OF 2					
UPDATE "REVISION STATUS OF SHEETS"					
CHANGE CALLOUT:					
FROM " 3 " TO " 3 13 "					
10X WIRE (20 AWG) 10X WIRE (20 AWG)					
CHANGE NOTE:					
FROM " 3 WIRES: TEFLON, INSULATED, MIL-DTL-16878/4"					
TO " 3 WIRES: M16878/5BGE2, M16878/5BGE9, M16878/5BGE0, M16878/BBGE5,					
PER MIL-DTL-16878/4."					
ADD NOTE: " 13 ALTERNATE WIRE: M22759/9-20-2, M22759/9-20-9, M22759/9-20-0, M22759/9-20-5, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."					
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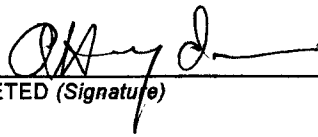
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>CHANGE TABLE: FROM “</p> </div> <div style="width: 40%; border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">LIST OF WIRES</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>WIRE NO.</th> <th>MS PART NO.</th> <th>COLOR</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr><td>W1</td><td>M16878/5BGE2</td><td>RED</td><td>4.00 ±.12</td></tr> <tr><td>W2</td><td>M16878/5BGE9</td><td>WHITE</td><td>9.00 ±.12</td></tr> <tr><td>W3</td><td>M16878/5BGE2</td><td>RED</td><td>9.00 ±.12</td></tr> <tr><td>W4</td><td>M16878/5BGE9</td><td>WHITE</td><td>3.00 ±.12</td></tr> <tr><td>W5</td><td>M16878/5BGE0</td><td>BLACK</td><td>9.00 ±.12</td></tr> <tr><td>W6</td><td>M16878/5BGE9</td><td>WHITE</td><td>9.00 ±.12</td></tr> <tr><td>W7</td><td>M16878/5BGE9</td><td>WHITE</td><td>10.00 ±.12</td></tr> <tr><td>W8</td><td>M16878/5BGE0</td><td>BLACK</td><td>10.00 ±.12</td></tr> <tr><td>W9</td><td>M16878/5BGE0</td><td>BLACK</td><td>10.00 ±.12</td></tr> <tr><td>W10</td><td>M16878/5BGE5</td><td>GREEN</td><td>10.00 ±.12</td></tr> </tbody> </table> </div> <div style="width: 30%; text-align: right;">”</div> </div>								WIRE NO.	MS PART NO.	COLOR	LENGTH	W1	M16878/5BGE2	RED	4.00 ±.12	W2	M16878/5BGE9	WHITE	9.00 ±.12	W3	M16878/5BGE2	RED	9.00 ±.12	W4	M16878/5BGE9	WHITE	3.00 ±.12	W5	M16878/5BGE0	BLACK	9.00 ±.12	W6	M16878/5BGE9	WHITE	9.00 ±.12	W7	M16878/5BGE9	WHITE	10.00 ±.12	W8	M16878/5BGE0	BLACK	10.00 ±.12	W9	M16878/5BGE0	BLACK	10.00 ±.12	W10	M16878/5BGE5	GREEN	10.00 ±.12
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d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 			f. DATE SIGNED (YYMMDD) 20010219																																														
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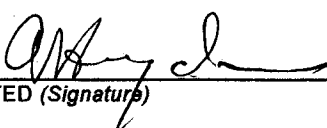

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				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT OUTPUT HARNESS			10. REVISION LETTER		6. NOR NO. 11
			a. CURRENT -		b. NEW A
					8.DOCUMENT NO. 12993123
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED,155mm, M198			11. ECP NO. L1A2095		
13. DESCRIPTION OF REVISION					
<p>CHANGE CALLOUT: FROM "5X WIRE (16 AWG) (2)" TO "5X WIRE (16 AWG) (2) (12)"</p> <p>ADD NOTE: " (12) ALTERNATE WIRE: M22759/9-16-2 ,M22759/9-16-0, M22787/9-16-5, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."</p>					
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d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 01/29	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature) 		c. DATE SIGNED (YYMMDD)	

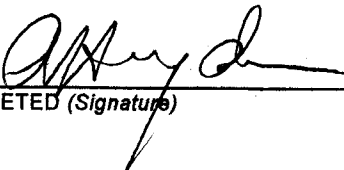

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9. TITLE OF DOCUMENT THERMOSTAT HARNESS	10. REVISION LETTER a. CURRENT - b. NEW A		11. ECP NO. L1A2095
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198			
13. DESCRIPTION OF REVISION CHANGE CALLOUT: FROM "2X WIRE (20 AWG)" TO "2X WIRE (20 AWG)" <div style="text-align: center;"> 2 TO 2 11 </div> ADD NOTE: "11 ALTERNATE WIRE: M22759/9-20-0, M22759/9-20-9, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."			
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d. TITLE ARTHUR J. HEYDERMAN Chief, ESAC Prod & Log Eng Spt Team	e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20020229
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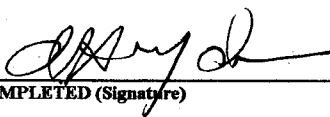
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9. TITLE OF DOCUMENT METER HARNESS	10. REVISION LETTER a. CURRENT - b. NEW A		11. ECP NO. L1A2096
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED,155mm, M198			
13. DESCRIPTION OF REVISION CHANGE CALLOUT: FROM "AR-WIRE, 24 AWG (5) " TO "2X WIRE (24 AWG) (5) (15) " ADD NOTE: " (15) ALTERNATE WIRE: M22759/9-24-2,M22759/9-24-8,M22759/9-24-9, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one) <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE ARTHUR J HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team	e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 01 29
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T	b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)

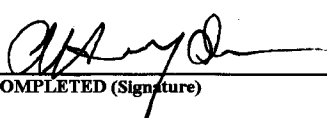
NOTICE OF REVISION (NOR) THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED.		1. DATE (YYMMDD) 20011295	Form Approved OMB No. 0704-0188
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503.		2. PROCURING ACTIVITY NO. L1A2095	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.		3. DODAAC	
4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC	b. ADDRESS (Street, City, State, Zip Code) PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)	5. CAGE CODE 19200 7. CAGE CODE 19200	6. NOR NO. 14 8. DOCUMENT NO. 12993126
9. TITLE OF DOCUMENT INTERCONNECT HARNESS	10. REVISION LETTER a. CURRENT - b. NEW A		11. ECP NO. L1A2095
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198			
13. DESCRIPTION OF REVISION CHANGE CALLOUT: FROM "8 WIRE, 16 AWG 5" TO "8X WIRE (16 AWG) 5 9" ADD NOTE: "9 ALTERNATE WIRE: M22759/9-16-2, M22759/9-16-0, PER SAE AS22759/9. CUT LENGTH PRIOR TO STRIPPING."			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one) <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE ARTHUR J. HEYDEMAN Chief, FSAC Prod & Log Eng Spt Team	e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20020129
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T	b. REVISION COMPLETED (Signature) 		c. DATE SIGNED (YYMMDD)

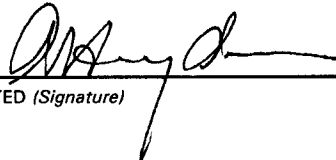

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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.				3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY,TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT NATO HARNESS			10. REVISION LETTER		6. NOR NO. 15
			a. CURRENT -		8. DOCUMENT NO. 12993127
			b. NEW A		11. ECP NO. L1A2095
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED,155mm, M198					
13. DESCRIPTION OF REVISION					
CHANGE NOTE: FROM "② WIRE: M16878/5BNL2 (RED) PER MIL-DTL-16878,CUT TO LENGTH PRIOR TO STRIPPING."					
TO FROM "② WIRE: M16878/5BNL2 (RED) PER MIL-DTL-16878 OR WIRE: M22759/9-8-2, PER M22759/9. CUT TO LENGTH PRIOR TO STRIPPING."					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
a. (X one)					
<input checked="" type="checkbox"/>		(1) Existing document supplemented by this NOR may be used in manufacture.			
<input type="checkbox"/>		(2) Revised document must be received before manufacturer may incorporate this change.			
<input type="checkbox"/>		(3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R			c. TYPED NAME (First, Middle Initial, Last)		
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 01 29	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)	

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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.				3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT MVS HARNESS			10. REVISION LETTER		6. NOR NO. 16
			a. CURRENT -		b. NEW A
					8. DOCUMENT NO. 12993196
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES					11. ECP NO. L1A2095
HOWITZER, TOWED, 155mm, M198					
13. DESCRIPTION OF REVISION					
<p>CHANGE CALLOUT: FROM "3X WIRES (20 AWG) (2) " TO "3X WIRES (20AWG) (2) (13) "</p> <p>ADD NOTE: " (13) ALTERNATE WIRE: M22759/9-20-2, M22759/9-20-5, M22579/9-20-0, PER SAE AS22759/9, CUT LENGTH PRIOR TO STRIPPING."</p>					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
a. (X one)					
<input checked="" type="checkbox"/>		(1) Existing document supplemented by this NOR may be used in manufacture.			
<input type="checkbox"/>		(2) Revised document must be received before manufacturer may incorporate this change.			
<input type="checkbox"/>		(3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-T			c. TYPED NAME (First, Middle Initial, Last)		
d. TITLE ARTHUR J. HENDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20020129	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature) 		c. DATE SIGNED (YYMMDD)	

NOTICE OF REVISION (NOR)		4. DATE (YYMMDD) 20011217		Form Approved OMB No. 0704-0188	
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4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CAGE CODE	
a. TYPED NAME (First, Middle Initial, Last) US ARMY, TACOM-ARDEC		PICATINNY ARSENAL, NJ 07806-5000 (AMSTA-AR-FSA-T)		19200	
				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT TRANSIENT SUPPRESSION BOARD ASSEMBLY				11. ECP NO. L1A2095	
10. REVISION LETTER				6. NOR NO. 17	
a. CURRENT -				b. NEW A	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, TOWED, 155mm, M198					
13. DESCRIPTION OF REVISION					
CHANGE CALLOUT: FROM "WIRE M16878/5BMGO " TO "WIRE 2 " 10 AWG, BLACK 10 AWG, BLACK LENGTH=12.50+_.25 LENGTH=12.50+_.25					
CHANGE CALLOUT: FROM "WIRE M16878/5BMG2 " TO "WIRE 2 " 10 AWG, RED 10 AWG, RED LENGTH=12.00+_.25 LENGTH=12.00+_.25					
CHANGE CALLOUT: FROM "WIRE M16878/5BMGO " TO "WIRE 2 " 10 AWG, BLACK 10 AWG, BLACK LENGTH=8.50+_.25 LENGTH=8.50+_.25					
CHANGE CALLOUT: FROM "WIRE M16878/5BMG2 " TO "WIRE 2 " 10 AWG, RED 10 AWG, RED LENGTH=9.00+_.25 LENGTH=9.00+_.25					
CHANGE CALLOUT: FROM "WIRE M16878/5BMGO " TO "WIRE 2 " 10 AWG, BLACK 10 AWG, BLACK LENGTH+=6.50+_.25 LENGTH=6.50+_.25					
CHANGE CALLOUT: FROM "WIRE M16878/5BMG2 " TO "WIRE 2 " 10 AWG, RED 10 AWG, RED LENGTH=7.00+_.25 LENGTH=7.00+_.25					
CHANGE NOTE: FROM " 2 WIRES PER MIL-DTL-16878. " TO " 2 WIRE PER MIL-DTL-16878 OR M22759-10-0, M22759-10-2, PER SAE AS22759/9. WIRE LENGTHS NOT DRAWN TO SCALE. CUT LENGTH PRIOR TO STRIPPING. CUT LENGTH PRIOR TO STRIPPING."					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
a. (X one)		(1) Existing document supplemented by this NOR may be used in manufacture. (2) Revised document must be received before manufacturer may incorporate this change. (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)			
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 2002 0129	
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-FSA-T		b. REVISION COMPLETED (Signature) 		c. DATE SIGNED (YYMMDD)	

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4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) JASON L. COOK	b. ADDRESS (Street, State, Zip Code) ARDEC AMSTA-AR-QAC-F PICATINNY ARSENAL, NJ 07806-5000	5. CAGE CODE 19200 7. CAGE CODE 19200	6. NOR NO. 18 8. DOCUMENT NUMBER SQ12993125						
9. TITLE OF THE DOCUMENT QUALITY ASSURANCE PROVISION FOR THE METER DISPLAY ASSEMBLY		10. REVISION LETTER a. CURRENT - b. NEW A							
11. ECP NO. L1A2095		12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HIPE Program - M198 Howitzer							
13. DESCRIPTION OF REVISION <u>CHANGE:</u> Page 4: Paragraph 507 FROM: 507. <u>Wire characteristics</u> . The wire shall be in accordance with MIL-DTL-16878. TO: 507. <u>Wire characteristics</u> . The wire shall be in accordance with MIL-DTL-16878 or SAE-AS22759/9 <u>ADD:</u> TO: Page 1: "Part I- List of Applicable Documents" SAE-AS22759 Wire, Electrical, Fluoropolymer-Insulated, Copper or Copper Alloy		NOR SHT 1 OF ECP PAGE OF							
14. THIS SECTION FOR GOVERNMENT USE ONLY									
a. (X one)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;"><input checked="" type="checkbox"/></td> <td>(1) Existing document supplemented by this NOR may be used in manufacture.</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>(2) Revised document must be received before manufacturer may incorporate this change</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>(3) Custodian of master document shall make above revision and furnish revised document.</td> </tr> </table>			<input checked="" type="checkbox"/>	(1) Existing document supplemented by this NOR may be used in manufacture.	<input type="checkbox"/>	(2) Revised document must be received before manufacturer may incorporate this change	<input type="checkbox"/>	(3) Custodian of master document shall make above revision and furnish revised document.
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b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)							
d. TITLE ARTHUR J. MEYERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 	f. DATE SIGNED (YYMMDD) 2002 01 29						
15. a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)	c. DATE SIGNED (YYMMDD)						

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						3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, State, Zip Code)		5. CAGE CODE		6. NOR NO.	
a. TYPED NAME (First, Middle Initial, Last) JASON L. COOK		ARDEC AMSTA-AR-QAC-F PICATINNY ARSENAL, NJ 07806-5000		19200		19	
				7. CAGE CODE 19200		8. DOCUMENT NUMBER SQ12993040	
9. TITLE OF THE DOCUMENT QUALITY ASSURANCE PROVISION FOR THE RADIO BOX JUMPER CABLE			10. REVISION LETTER		11. ECP NO.		
			a. CURRENT -		b. NEW A		
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HIPE Program - M198 Howitzer			NOR SHT 1 OF		ECP PAGE OF		
13. DESCRIPTION OF REVISION							
<p><u>CHANGE:</u></p> <p>Page 5: Paragraph 509</p> <p>FROM:</p> <p>509. <u>Wire characteristics</u>. The wire shall be tested to insure conformance to the characteristics required by drawing 12993032 and 12993033. These requirements shall include but are not limited to conductor type, insulation type, temperature rating, and voltage rating.</p> <p>TO:</p> <p>509. <u>Wire characteristics</u>. The wire(s) used shall be in conformance with drawing 12993040. Wire characteristics are defined on drawings 12993032 and 12993033. MIL-DTL-16878 and SAE-AS22759/9 define the characteristics of the additional wire.</p> <p><u>ADD:</u></p> <p>TO:</p> <p>Page 1: "Part I- List of Applicable Documents"</p> <p>MIL-STD-16878 Wire, Electrical, Insulated, General Specification For</p> <p>SAE-AS22759 Wire, Electrical, Fluoropolymer-Insulated, Copper or Copper Alloy</p>							
14. THIS SECTION FOR GOVERNMENT USE ONLY							
a. (X one)		<input checked="checked" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.					
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R			c. TYPED NAME (First, Middle Initial, Last)				
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team			e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20020129		
15. a. ACTIVITY ACCOMPLISHING REVISION			b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)		

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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THIS ADDRESS. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.					
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code) U.S. Army, ARDEC AMSTA-AR-FSA-T Picatinny Arsenal, NJ 07806		5. CAGE CODE 19200	
a. TYPED NAME (First, Middle Initial, Last)				7. CAGE CODE 19200	
9. TITLE OF DOCUMENT SHUTDOWN CIRCUIT BOARD ASSEMBLY		10. REVISION LETTER a. CURRENT: - b. NEW: A		2. PROCURING ACTIVITY NO. L1A2095	
				3. DODAAC	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Howitzer, Towed, 155mm, M198		11. ECP NO. L1A2095		6. NOR NO. 20	
				8. DOCUMENT NO. D12993189	
13. DESCRIPTION OF REVISION In zone C-3, C-4, C-5, & C-6: Change Parts List: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>From: "8 1 CT</div> <div>.001 UF CAPACITOR</div> <div>MS39014/05-2637</div> <div>MIL-PRF-39014"</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>To: "8 1 CT</div> <div>.001 UF CAPACITOR</div> <div>MS39014/05-2237</div> <div>MIL-PRF-39014"</div> </div>					
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d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team		e. SIGNATURE 		f. DATE SIGNED (YYYYMMDD) 20020129	
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